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OCEANOGRAPHIC TECHNOLOGY INFORMATION SERVICE: USER'S GUIDE. (U)

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OCEANOGRAPHIC TECHNOLOGY INFORMATION SERVICE

USER'S GUIDE

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OCEANOGRAPHIC MANAGEMENT INFORMATION SYSTEM

GEORGE H. MILLER

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PREPARED BY
COMMANDING OFFICER,
NAVAL OCEANOGRAPHIC OFFICE
NSTL STATION, BAY ST. LOUIS, MS 39522

PREPARED FOR
COMMANDER
NAVAL OCEANOGRAPHY COMMAND
NSTL STATION, BAY ST. LOUIS, MS 39529



FOREWORD

The Naval Oceanographic Office is developing an Oceanographic Management Information System to support both administrative and technical endeavors of the Naval Oceanographic Community. The Oceanographic Technology Information Service is that subset which identifies the Navy's capability to do oceanographic and meteorological data collection and processing, in terms of existing equipment/systems, models, validated techniques, facilities and personnel expertise. The scope of this task is very broad. Consequently, if properly applied, this subset can serve as a useful compendium of the above areas of concern for use in management, planning, determining requirements, and providing technical assessments for oceanographic, meteorological, and Mapping, Charting and Geodesy (MC&G) tasks and programs. I urge both your use of and contribution to this computerized service.



C. H. BASSETT
Captain, USN
Commanding Officer

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✓ 05+1 technical areas covered include the following:

- a. Measurement and sampling systems, associated hardware and instrumentation
- b. Mathematical, physical, computerized models
- c. Data collection, reduction and analysis techniques
- d. Facilities providing calibration, testing, data reduction and analysis, fabrication of hardware and other services
- e. Leading scientists, technicians and program coordinators involved in any of the above areas.

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Contents

	Page
SECTION 1. GENERAL INFORMATION	1
1.1 Purpose of the User's Guide	1
1.2 Project References	1
1.3 Terms and Abbreviations	1
1.4 Security and Privacy	2
1.5 Access to the System	2
1.6 System Configuration	2
SECTION 2. INTRODUCTION TO THE OTIS	3
2.1 Definition	3
2.2 Scope	3
2.3 Purpose	3
2.4 Subject Matter Specialist	4
2.5 Inputs	4
2.6 Outputs	4
2.7 Users	5
2.8 OTIS Information Flow	5
SECTION 3. USING THE INFORMATION RETRIEVAL PROGRAM	7
3.1 Initiation Procedures	7
3.2 Interacting with the Retrieval Program	7
APPENDIX A - OTIS DATA ELEMENT GLOSSARY BY TYPE	9
A.1 Personnel Expertise	9
A.2 Hardware and Technique	11
A.3 Model	13
A.4 Facility	15
APPENDIX B - OTIS SUBJECTS	17
B.1 Subject Code and Hierarchy Table	17
B.2 How Subjects are Stored in OTIS Records	18
APPENDIX C - LOGGING ON THE COMPUTER	21
C.1 General Comments	21
C.2 Dial-up Terminals	21
C.3 Directly Connected Terminals	23

APPENDIX D - INTERACTING WITH THE COMPUTER	25
D.1 General Comments	25
D.2 Interruption of Program Output	26
D.3 Terminations	26

APPENDIX E - EXAMPLE QUERIES	27
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SECTION 1. GENERAL INFORMATION

1.1 Purpose of the User's Guide

The purpose of this User's Guide is to give an overview and detailed instruction on the use of the Oceanographic Technology Information Service (OTIS) Information Retrieval Program. For quick reference on the use of this program, you may proceed directly to Section 3.

The Information Retrieval Program has a user-oriented English-like language for retrieval, making its use relatively uncomplicated regardless of user expertise.

1.2 Project References

The OTIS is one of six subsystems comprising the Oceanographic Management Information System (OMIS). Maintenance and coordination for each subsystem of the OMIS is by a Subject Matter Specialist staffing the OMIS. Guidance for development and maintenance of each subsystem is provided by a Functional Manager assigned to Commander Naval Oceanography Command (COMNAVOCEANCOM). System sponsorship for the entire OMIS is by COMNAVOCEANCOM.

Project references include:

- (1) OCEANAV Instruction 3161.48 dated 14 December 1977
- (2) OMIS Life Cycle Management Plan
- (3) OMIS Functional Description
- (4) Environmental Files and Data Bases, NAVOCEANO RP-36 (in press)

1.3 Terms and Abbreviations

See Appendix A.

1.4 Security and Privacy

The OTIS contains no information subject to the Privacy Act of 1974. Classified information will be maintained in accordance with administrative and technical guidance provided by COMNAVOCEANCOM personnel responsible for handling or overseeing such information.

1.5 Access to the System

Specific requests for access to the OTIS data base are handled by the Subject Matter Specialist of the OMIS Staff, U.S. Naval Oceanographic Office, who will provide the information necessary to "log on" the computer and access the data base.

1.6 System Configuration

Users of the OTIS data base interface with a Univac 1108 computer. Both CRT and typewriter terminals are used. These terminals may be either dial-up or direct-connect.

SECTION 2. INTRODUCTION TO THE OTIS

2.1 Definition

The Oceanographic Technology Information Service (OTIS) is a dynamic inventory of information addressing the Navy's capability to conduct oceanographic and meteorological data collection and processing. The system identifies state-of-the-art hardware and software systems, unique capabilities offered by facilities and inherent in personnel expertise, and validated oceanographic techniques.

The OTIS data base is in the form of a data management system designed for easy retrieval by individuals with virtually no computer knowledge, for timely updating, for cross referencing, and for analysis of selectable subsets of the data base.

2.2 Scope

The scope of the OTIS is so broad that it is impossible for a single data base to include all the information covered above. The OTIS, therefore, is a system of which the OTIS data base is a part. Other data sources containing complementary information comprise the remainder of the OTIS "system." The OTIS Subject Matter Specialist frequently draws upon other recognized data sources, such as the National Referral Center of the Library of Congress, the Defense Technical Information Center, the National Technical Information Service, Aquatic Sciences and Fisheries Abstracts, Oceanic Abstracts, the Infrared Information and Analysis Center (Environmental Research Institute of Michigan), the Coastal Engineering and Analysis Center (Coastal Engineering Research Center), and the NOAA Marine Instrumentation Catalog (currently under development).

2.3 Purpose

The purpose of the OTIS is to provide information. The OTIS is designed to assist in answering such questions as (see Appendix E):

- (1) What is the state-of-the-art of current meter design?
- (2) What kinds of equipment are available for sensing

wave heights and directions? What are their development statuses? What platforms are they associated with (ship, aircraft, underwater, etc.)?

- (3) What are the major operational meteorological models within and outside the Navy? What are the resident organizations and who are the individuals involved?
- (4) What techniques are available for forecasting sea ice conditions?
- (5) What are currently achieved depth capabilities of fine-structure airborne expendable bathythermographs?
- (6) What documents have been published on the Coastal Ocean Dynamics Applications Radar (CODAR)? Who at NOAA might have expert knowledge of this system?
- (7) What equipment does Scripps Marine Physical Laboratory maintain at San Vicente Lake near San Diego?

2.4 Subject Matter Specialist

The OTIS Subject Matter Specialist (SMS) is available at all times of the normal working day to provide assistance to users of the OTIS. In addition to assisting users in the access of the OTIS data base, the SMS is prepared to query other data sources to provide the required information.

2.5 Inputs

Inputs to the OTIS data base come from many sources, including documents, journals and conferences, personal contact between the SMS and scientists, technicians and program coordinators, in-house files, and new or update information from the users.

2.6 Outputs

Outputs from the OTIS can be in several different forms, depending on the needs of the user and the classification of the data. For unclassified data the user may use his own terminal if available (see Appendixes C and D), or, if the user desires, he may contact the SMS who will perform the search and provide responses in the form of batch (computer print-out), a verbal answer (e.g., over the telephone), or letter. For classified data the only form of output available is batch,

and this output is to be transmitted according to established procedures for classified information.

Users requiring special reports on a recurring basis may contact the SMS to establish procedures for having this done.

2.7 Users

The quality of the OTIS data base depends largely on the timeliness and accuracy of the data. Users can play a significant role in maintaining the quality of the OTIS data base. Hence users are encouraged to feed back new or updating information on oceanographic technology within their area of interest to the SMS for review and inclusion. This information can be either relayed by telephone or transmitted in writing using OTIS input forms available from the SMS.

2.8 OTIS Information Flow

Figure 2.1 shows how the above concepts contribute to an integrated OTIS information flow.

OTIS INFORMATION FLOW

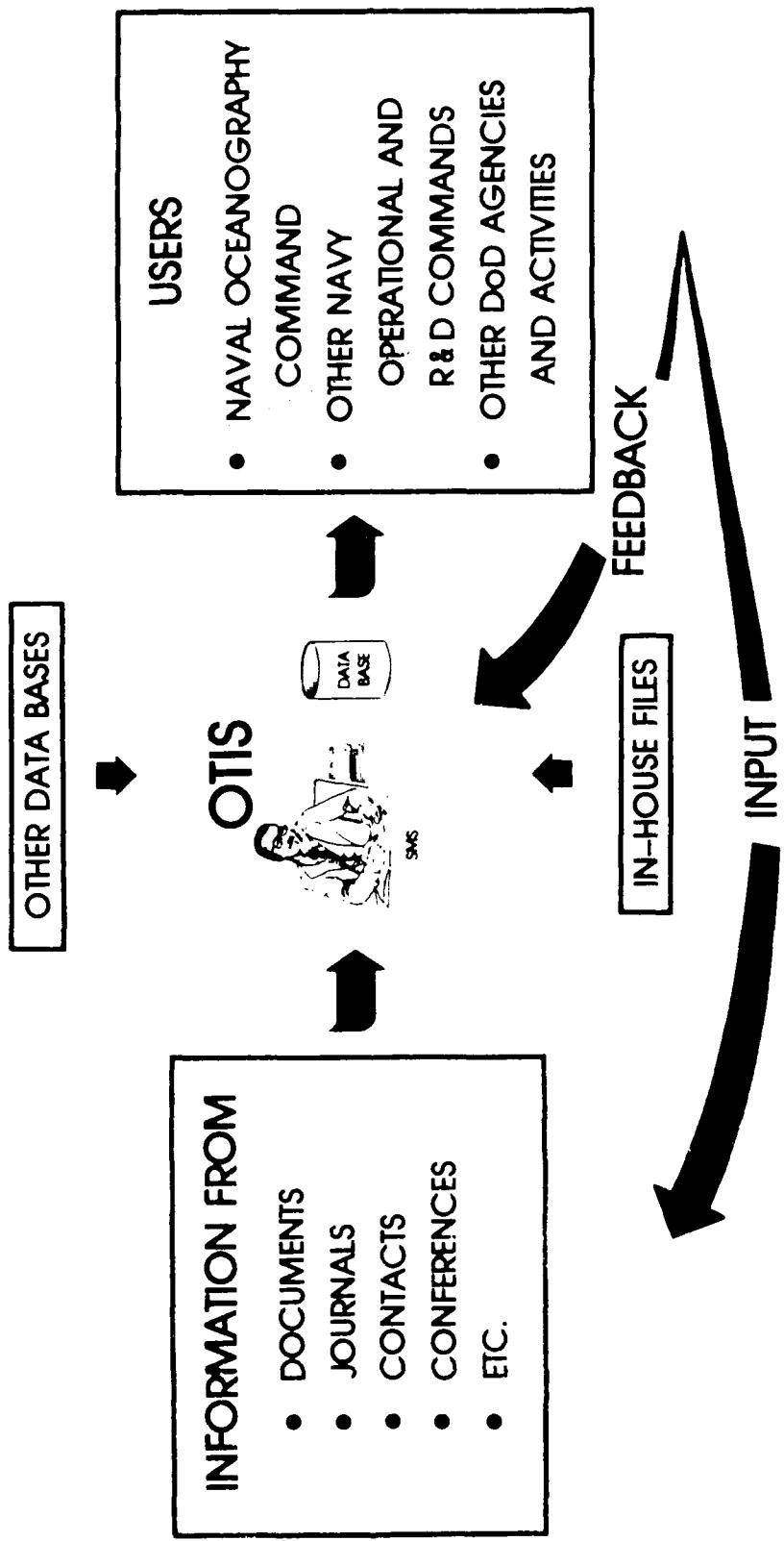


Figure 2.1 OTIS Information Flow

SECTION 3. USING THE INFORMATION RETRIEVAL PROGRAM

3.1 Initiation Procedures

For instruction on how to "log on" the computer refer to Appendix C. As soon as you have logged on, type in the following to enter the Information Retrieval Program:

@ADD OMIS*OTIS.RETRIEVE

3.2 Interacting with the Information Retrieval Program

All pertinent instructions will be provided by the computer. The following information is presented to ensure full understanding of the steps in using the Information Retrieval Program.

Upon entering the Information Retrieval Program, you are asked whether you are familiar with the program, either yes or no. Your answer will determine the form of all subsequent questions from the program, either a long form or a short form. If you choose "no" (i.e., if you choose the long form), you are then given an explanation of three inputs available to you throughout your execution of the program. They are (a) enter "t" to terminate the program, (b) enter "*" to back up to the previous question, and (c) "@ADD 1.HELP" to access supporting information concerning the OTIS. All subsequent questions will be detailed, with descriptions of formats included. If you choose "yes," these instructions will not be given, and all the questions from the program will be short because it will be assumed that you are familiar with them.

The next question is your cue to enter the technology type desired. You are asked to decide which of the five types of technology you desire to explore. By choosing the technology type at the outset, search time is considerably reduced. However, to a more limited extent, you may search the whole data base (i.e., all five technology types) at once by entering "a." This latter option is available in case you want to perform a query of a general nature, i.e., without knowing which technology type(s) you should be investigating.

After choosing type, the next question asks you to enter the field(s) you want outputted. Note that this question is only to specify the field(s) you want to see. No searching of the data base is done at this point. See Appendix A for the definition of each field. Enter up to 9 field numbers

separated by a semicolon, or enter "A" to output all the fields.

Note that you also may enter "L" if you first want to see a list of the fields available, or a "?" if you want, as output, only a count of the records to be isolated in your search.

The next set of questions provides the means by which information is isolated from the data base. It is from this isolated portion that the fields specified in the previous question are outputted. Enter those field numbers by which you want to isolate information, in the same manner as the previous question. After you enter those numbers, the computer will ask you to enter the value for each field whose number you entered. See Appendix E for some practical examples.

Note that two of the fields, SUBJECT NAME and POC NAME, allow you to enter more than one value depending on how narrow you want to make the search. In the case of POC NAME you may narrow your search by entering the first initial, separated from the first value (i.e., last name) by a semicolon. In the case of SUBJECT NAME, you may enter one, two or three values depending on the degree of specificity required (see Appendix B). In either case you must fill in values in the order given (e.g., for SUBJECT NAME, you may not enter a second-level term without first having entered a first-level term), again using the semicolon as a separator.

When you have entered all the values asked for, the computer will perform the search. The computer will identify each record that has all the values you specified. If any or all the values are not what you specified, the record is passed over. For those records satisfying the specified criteria, the field(s) you chose for output, along with the field value(s), will be outputted. If no records satisfy the specified criteria, the message "NO OTIS RECORD SATISFIES YOUR REQUEST" will be outputted. When the search is finished, the computer will return to the first question, to enter the technology type desired, for another search.

APPENDIX A - OTIS DATA ELEMENT GLOSSARY BY TYPE

A.1 Personnel Expertise

- (1) TYPE. The type of technology under consideration (i.e., "personnel expertise").
- (2) RECORD NUMBER. Sequence number of the record in the data base.
- (3) KEY WORD. (Five fields available). Specific term(s) taken from context of information used to build the record.
- (4) SUBJECT CODE. See Appendix B.
- (5) SUBJECT NAME. (Nine fields available). See Appendix B.
- (6) NAME. Name (last, first initial) of the person under consideration.
- (7) ORGANIZATION. Organization with which the person is associated.
- (8) SUBORGANIZATION. Subunit of ORGANIZATION with which the person is associated.
- (9) TELEPHONE NUMBER. Telephone number of the person, including area code and/or extension.
- (10) TITLE. Job title of the person, such as Director, Magnetics Division or Head, Analysis Branch.
- (11) POSITION. Position of the person, such as Oceanographer, Engineer, etc.
- (12) RANK/GRADE. Rank or grade of the person.
- (13) MANAGERIAL LVL CODE. One of the following ten codes:
 - 1 - Director or Head (i.e., the top civilian manager in the activity).
 - 2 - Associate Director, Associate Head or Deputy (i.e., the second level of civilian line management if the second level does not fall into one of the categories listed below).
 - 3 - Department Head

- 4 - Division Head
- 5 - Branch Head
- 6 - Section Head
- 7 - Unit Head
- 8 - Shop Head
- 9 - Any other supervisor when one of the above codes is not applicable.
- 10 - Non-supervisory.

(14) SUPERVISORY PS CODE. One of the following eight codes:

- 1 - Trainee/Intern/Apprentice
- 2 - Upward Mobility Trainee
- 3 - Full Performance/J Journeyman Level
- 4 - Worker/Leader
- 5 - First-Level Supervisor
- 6 - Second-Level (or higher) Supervisor
- 7 - Manager
- 8 - None of the Above

(15) PROFESSIONAL CODE. One of the following eight codes:

- 1 - Consultant
- 2 - Scientist or Engineer
- 3 - Other Professional
- 4 - Subprofessional or Technician
- 5 - Manager or Administrator
- 6 - Clerical
- 7 - Service
- 8 - Craftsman or Operative

- (16) DEGREE. (Three fields available). College degree(s) of the person, if any.
- (17) MAJOR. (Three fields available). College major(s) of the person, if any.
- (18) DEGREE YEAR. (Three fields available). Year(s) college degree(s) were awarded to the person, if any.
- (19) INFORMATION DATE. Date as of which information is current for the record.
- (20) COMMENTS. (Unlimited length). Additional information on the person.

A.2 Hardware and Technique

- (1) TYPE. The type of technology under consideration (i.e., "hardware" or "technique").
- (2) RECORD NUMBER. Sequence number of the record in the data base.
- (3) KEY WORD. (Five fields available). Specific term(s) taken from context of information used to build the record.
- (4) SUBJECT CODE. See Appendix B.
- (5) SUBJECT NAME. (Nine fields available). See Appendix B.
- (6) POC NAME. (Three fields of each of last names and first initials available). Point(s) of contact knowledgeable of hardware or technique under consideration.
- (7) POC ORGANIZATION. (Three fields available). Organization(s) of point(s) of contact.
- (8) POC PHONE NUMBER. (Three fields available). Telephone number(s) of point(s) of contact, including area code and/or network and/or extension.
- (9) SPONSOR ORG. Name of sponsoring organization if applicable.
- (10) SPONSOR SUBORG. Subunit of sponsoring organization such as Division, Laboratory or Code.
- (11) SPONSOR ADDRESS. City, state, and country of sponsor-

ing organization.

(12) ACTION ORG. Name of action organization if applicable.

(13) ACTION SUBORG. Subunit of action organization such as Division, Laboratory or Code.

(14) ACTION ADDRESS. City, state and country of action organization.

(15) GENERIC NAME. Generic name of the hardware or technique under consideration. Examples include "Buoy," "Bathythermograph," and "Sea Ice Forecasting."

(16) DESIGNATOR. Abbreviation, acronym, or Navy-assigned or manufacturer's model number associated with the hardware or technology under consideration. Examples include "XBT" for expendable bathythermograph, "HALS" for Hydrographic Airborne Laser Sounder, and "CTD MARK III" for the Neil Brown CTD.

(17) TITLE. Full nomenclature of the hardware or technique under consideration.

NOTE: Here are two examples of the above three fields, one each for hardware and technique:

TYPE	GENERIC NAME	TITLE	DESIGNATOR
Technique	Wave Observation	Littoral Environment Observation Program	LEO
Hardware	Recorder	Submersible Tide Recorder	Model 2820-E

(18) STATUS. One of the following choices:

HARDWARE	TECHNIQUE
R & D	Experimental
Prototype	Validated
Operational	
Inactive	

(19) PLATFORM. One of the following choices:

HARDWARE OR TECHNIQUE	
Ship	Airborne
Buoy	Pier/Offshore Platform
Moored	Drifting
Underwater	Shore Installation
Satellite	Ship/Shore
Mobile	Specialized

- (20) CONTRACT NUMBER. Navy contract number if applicable.
- (21) PROJECT NAME. Acronym, abbreviation or word given to the project, if any, associated with TITLE and generally understood by the oceanographic community (i.e., JASIN, JOIDES, POLYMODE, etc.).
- (22) REFERENCE-AUTHOR. (Three fields available). Author(s) report(s) or document(s) identified as pertinent to the record.
- (23) REFERENCE-SOURCE. (Three fields available). Date, title, document number (if applicable), and publisher of report(s) or document(s) identified as pertinent to the record.
- (24) INFORMATION DATE. Date as of which information is current for the record.
- (25) COMMENTS. (Unlimited length). Additional information on TITLE.

A.3 Model

- (1) TYPE. The type of technology under consideration (i.e., "model").
- (2) RECORD NUMBER. Sequence number of the record in the data base.
- (3) KEY WORD. (Five fields available). Specific term(s) taken from context of information used to build the record.
- (4) SUBJECT CODE. See Appendix B.
- (5) SUBJECT NAME. (Nine fields available). See Appendix B.
- (6) POC NAME. (Three fields of each of last names and first initials available). Point(s) of contact knowledgeable of model under consideration.
- (7) POC ORGANIZATION. (Three fields available). Organization(s) of point(s) of contact.
- (8) POC PHONE NUMBER. (Three fields available). Telephone number(s) of point(s) of contact, including area code and/or network and/or extension.
- (9) SPONSOR ORG. Name of sponsoring organization if applicable.
- (10) SPONSOR SUBORG. Subunit of sponsoring organization such as

Division, Laboratory or Code.

- (11) SPONSOR ADDRESS. City, state and country of sponsoring organization.
- (12) RESIDENT ORG. Organization at which model is compiled on a computer.
- (13) RESIDENT SUBORG. Subunit of resident organization at which model is compiled on a computer.
- (14) RESIDENT ADDRESS. City, state and country of resident organization.
- (15) GENERIC NAME. Generic name of the model under consideration. Examples include "wave model" and "acoustic model".
- (16) DESIGNATOR. Abbreviation or acronym associated with the model under consideration. An example is "SOWM" for the Spectral Ocean Wave Model.
- (17) TITLE. Full nomenclature of the model under consideration.
- (18) STATUS. One of the following choices:

R & D
Prototype
Validated

- (19) CONTRACT NUMBER. Navy contract number if applicable.
- (20) PROJECT NAME. Acronym, abbreviation or word given to the project, if any, associated with the model and generally understood by the oceanographic community (i.e., JASIN, JOIDES, POLYMODE, etc.).
- (21) REFERENCE-AUTHOR. (Three fields available). Author(s) of report(s) or document(s) identified as pertinent to the record.
- (22) REFERENCE-SOURCE. (Three fields available). Date, title, document number (if applicable), and publisher of report(s) or documents identified as pertinent to the record.
- (23) INFORMATION DATE. Date as of which information is current for the record.
- (24) RESIDENT COMPUTER. (Three fields available). The type of computer(s) on which model currently resides at the resident organization.
- (25) HOST COMPUTER. (Six fields available). The type of computer(s) on which model is able to be run.

(26) REQUIRED INPUT. (Six fields available). Name(s) of subroutine(s), data file(s) or other computer program(s) required as input for the model.

(27) COMMENTS. (Unlimited length). Additional information on the hardware or technique under consideration.

A.4 Facility

- (1) TYPE. The type of technology under consideration (i.e., "Facility").
- (2) RECORD NUMBER. Sequence number of the record in the data base.
- (3) KEY WORD. (Five fields available). Specific term(s) taken from context of information used to build the record.
- (4) SUBJECT CODE. See Appendix B.
- (5) SUBJECT NAME. (Nine fields available). See Appendix B.
- (6) POC NAME. (Three fields of each of last names and first initials available). Point(s) of contact knowledgeable of facility under consideration.
- (7) POC ORGANIZATION. (Three fields available). Organization(s) of point(s) of contact.
- (8) POC PHONE NUMBER. (Three fields available). Telephone number(s) of point(s) of contact, including area code and/or network and/or extension.
- (9) FACILITY. Name of facility under consideration.
- (10) FACILITY ADDRESS. City, state and country in which facility is located.
- (11) NUMBER OF PERSONNEL. Total personnel strength of facility under consideration.
- (12) SUPERVISOR ORG. The next higher organizational level over the facility under consideration.
- (13) REFERENCE-AUTHOR. (Three fields available). Author(s) of report(s) or document(s) identified as pertinent to the record.
- (14) REFERENCE-SOURCE. (Three fields available). Date, title, document number (if applicable), and publisher

of report(s) or document(s) identified as pertinent to the record.

- (15) INFORMATION DATE. Date as of which information is current for the record.
- (16) SUBFACILITY. (Six fields available). Facility (or facilities) which is (or are) subunit(s) of the facility under consideration.
- (17) EQUIPMENT. (Six fields available). Major equipment(s) which is (or are) part of the facility under consideration.
- (18) COMMENTS. (Unlimited length). Additional information on the facility under consideration.

APPENDIX B - OTIS SUBJECTS

B.1 Subject Code and Hierarchy Table

This is a list of subjects covered in the OTIS. This list is a subset of the OMIS Subject List consisting of subjects divided into three levels that go from general to specific.

The user may query on either the subject by name (under SUBJECT NAME) or its code (under SUBJECT CODE), but not both (however, the user may display both):

Acoustics	1
Measurement Systems	101
Receiver	10101
Source	10102
Models	102
Active Sonar	10201
Noise	10202
Propagation Loss	10203
Reverberation	10204
Noise	103
Water Noise	10301
Transmission	104
Signal Characteristics	10401
Meteorology	2
Instrumentation	201
Models	202
Physical	203
Air-Sea Interaction	20301
Cloud Cover	20302
Fog	20303
Precipitation	20304
Temperature	20305
Tropical Storms	20306
Winds	20307
Pollution	204
Prediction	205
Oceanography	3
Biology	301
Plankton	30101
Chemistry	307
Engineering	302
Geology-Geophysics	303
Bathymetry	30301
Geodesy	30302

Gravity	30303
Magnetics	30304
Sea Floor Structure	30305
Sediment Dynamics	30306
Seismology	30307
Models	304
Physical	305
Air-Sea Interaction	30501
Conductivity	30502
Currents	30503
Density	30504
Depth	30505
Eddies	30506
Internal Waves	30507
Navigation	30518
Radiation	30508
Salinity	30509
Sampling	30510
Sea Ice	30511
Sea Surface Temperature	30512
Sound Velocity	30513
Surface Waves	30514
Temperature Structure	30515
Tides	30516
Transparency	30517
Submersibles	306
Remote Sensing	4
Bathymetry	401
Currents	402
Data Processing	403
Data Transmission	404
Ice Coverage	405
Instrumentation	406
Aircraft	40601
Buoy	40602
Satellite	40603
Ship	40604
Internal Waves	407
Platform	408
Aircraft	40801
Buoy	40802
Satellite	40803
Ship	40804
Surface Waves	409
Technology	410
Temperature	411

B.2 How Subjects are Stored in OTIS Records

Each OTIS record has nine fields available under SUBJECT NAME. This allows each record to contain up to three levels of spe-

citicy for each of three possible "columns" of subjects.

When a record is added to the OTIS, the SMS enters terms taken from the above table and which best describe the record. The hierarchical relationships implicit in the table are maintained. For example, the subject "Measurement Systems" would be entered as a second-level term only if "Acoustics" was entered as a first-level term. The computer recognizes the hierarchical relationship of each subject by the numerical code associated with the subject.

Here are some examples to help illustrate the above. Compare these to the above table in order to verify the hierarchical relationships:

Generic name: Bathythermograph

	Col1	Col2	Col3
Level 1	Oceanography	----	----
Level 2	Physical	----	----
Level 3	Temperature Structure	----	----

Generic name: Hygrometer

	Col1	Col2	Col3
Level 1	Meteorology	----	----
Level 2	Physical	Instrumentation	----
Level 3	----	----	----

Generic name: Side Scan Sonar

	Col1	Col2	Col3
Level 1	Remote Sensing	Oceanography	----
Level 2	Instrumentation	Geology-Geophysics	----
Level 3	Ship	Bathymetry	----

Generic name: Oceanographic Model

	Col1	Col2	Col3
Level 1	Oceanography	----	----
Level 2	Models	Physical	----
Level 3	Salinity	Currents	Temperature Structure

APPENDIX C - LOGGING ON THE COMPUTER

C.1 General Comments

User interaction with the computer requires that the terminal be connected or "logged on" to the computer. Methods of connection vary with the terminal type.

Some terminals require that the user dial the computer for connection. For these, special switch settings are necessary. Other terminals are directly connected to the computer. "Log on" is simpler for directly-connected terminals.

C.2 Dial-up Terminals

(1) Switch Settings

A. Power:	ON
B. Transmission Rate:	300 bps (or baud)
C. Parity:	NONE
D. Character Set:	ALT, CAPS LOCK, etc., to make all letters upper case

(2) Connection Process

- A. Dial the number of the computer and wait for the tone. The phone should ring no more than twice before being automatically answered. A tone should then be heard. If the line is busy or if a recording indicates that all circuits are in use, try again later. If there is no answer, dial ext. 4452 for a recorded message which describes the system status.
- B. After receiving the tone,
 1. Place the phone in the accompanying acoustic coupler (look for a note on the coupler as to the placement of the phone mouthpiece), or
 2. If no coupler is used, press the DATA button on the terminal or phone and return the receiver to the phone cradle.
- C. Type in the site or terminal ID provided by the OMIS staff. The computer should then respond with a request for USERID/PASSWORD, followed by a mask to cover the characters to be entered. This entry

is also to be provided by the OMIS staff:

SITEID

ENTER USERID/PASSWORD:

>xxxxxxxxxx (mask to cover password which is
entered here)

*DESTROY USERID/PASSWORD ENTRY

*UNIVAC 1100 OPERATING SYSTEM VFR. 33R2

RUN NUMBER 5

LAST RUN AT: 070280 082123

DATE: 070280 TIME: 122743

> (the user may enter an OMIS subsystem)

D. If the output to the terminal is as shown above, the user is ready to access an OMIS subsystem. Otherwise, the output should appear as:

SITEID

ENTER USERID/PASSWORD:

>xxxxxxxxxx (mask to cover the password)

*DESTROY USERID/PASSWORD ENTRY

*UNIVAC 1100 OPERATING SYSTEM VFR. 33R2

> (enter @RUN entry here)

In this case a @RUN entry is required.

Now input the @RUN entry in the format:

@RUN E'XXXX,HHHHHH999999/8888,QQQ

Where XXXX = some identifier (e.g., OMIS)
HHHHHH = an account number supplied by
= the OMIS staff
999999 = a code for accounting, from
OMIS staff
8888 = a number matching the USERID
QQQ = a qualifier, supplied by the
OMIS staff

Note: an automatic RUN card generator is available under certain circumstances. This feature eliminates the need to enter a @RUN statement when logging on.

7.3 Directly Connected Terminals (U100 and U200)

- (1) Turn on the power. If no blinking "curser" appears in the upper left hand corner of the screen, be sure that the switch on the right underside of the terminal is pushed away from you.
- (2) Be sure that the poll light is blinking (U200) or that the MESSAGE INCOMPLT light is blinking (U100).
- (3) If the light is blinking, the computer is ready to accept the terminal ID. Press the "SOE" key, and then enter the terminal ID.
- (4) The computer should request the USERID/PASSWORD (no mask). From this point proceed as in Subsection C.2(2)C and D.

APPENDIX D - INTERACTING WITH THE COMPUTER

D.1 General Comments

Program requests for user input are normally preceded by an explanation of what type of data is desired. The actual request for data entry is marked by a "prompt" character at the left hand side of the next line. The prompt character used varies with the type of terminal.

A ">" symbol is the character used by typewriter terminals, as well as some video terminals. Uniscope U100 and U200 terminals use a small triangle, referred to on the keyboard as "SOE" (Start Of Entry).

An entry can be thought of as characters sent to the computer by pressing the TRANSMIT key (RET'RN on typewriter terminals). Entries should not be started before the prompt appears. Such premature input can result in either the message "WAIT LAST INPUT IGNORED" or the entry of unwanted characters.

It is important that the use of the "SOE" by the Uniscope terminals be understood. When the transmit key is hit, characters will be transmitted from the flashing cursor (marking current user position on the screen) to the previous "SOE" character. Even if the last "SOE" appears on the previous line, transmission will start from that "SOE". If a user inputs and/or transmits before the system provides the prompt, the result may be an undesirable entry.

There are several minor exceptions to the "rule" concerning prompting. Assume that a prompt has appeared requesting input. The operating system or a computer operator may send a message to the terminal, such as:

TIMEOUT WARNING (from operating system)
(or) *TB* A/C PROBLEMS. PLZ SIGN OFF. (from an operator)

These outputs did not come from the executing program, but were generated by an outside source. After the message the user is taken to the next line, ...but NO PROMPT APPEARS! Input, however, is still being expected. At this point caution should be exercised by U100 and U200 users. The users must supply an "SOE" character before attempting any input. Characters may then be entered and transmitted.

D.2 Interruption of Program Output

If one wishes to stop the output coming to the terminal, he need only press the "MESSAGE WAITING", "BREAK", or "INTRPT" key (depending on the terminal). The message "OUTPUT INTERRUPT" is sent to the terminal. This pause allows the user to read the screen contents of the Uniscope before it scrolls off. To request that the output be continued, enter "@@CONT". Any other entry will be taken as a response to the next question...and will cause trouble! Remember, U100 and U200 users must first type in the "SOE" character.

Should one wish to skip the rest of the output and proceed to the next question asked, he may enter "@@X 0." Caution: the output detailing the question will also be suppressed, and only a prompt character will appear at the terminal. Input is expected at this point. If the user is familiar enough with the program, he may proceed with the program carefully. This can become tricky! Remember, the U100's and the U200's require the "SOE" before the "@@X 0".

D.3 Terminations

There are several ways in which the program can cease execution. The most desirable method is to enter "T." Normal termination should then occur. After the program terminates, the user may enter "@FIN" to "sign off" the terminal.

Possible methods of undesirable termination include:

- (1) SYSTEM CRASH (computer dies).
- (2) TIME OUT (the user fails to transmit data within a set time).
- (3) INTERNAL ERROR (the executing program terminates because of its own error, providing the user with an error message).
- (4) IMPROPER INPUT (unless program documentation indicates otherwise, do not enter "@").

If, at any time, one receives the message "DATA IGNORED IN CONTROL MODE," the program is no longer executing. The program must be entered again if continued execution is desired.

APPENDIX E - EXAMPLE QUERIES

The following is an example interactive session using the OTIS Information Retrieval Program, complete with user responses. Explanatory comments have been inserted and are preceded by "***."

```
@ADD OMIS*OTIS.RFTRIEVE
READY
FACILITY WARNING 10000000000000
FACILITY WARNING 10000000000000
```

```
*****
*          *
*  OCEANOGRAPHIC TECHNOLOGY INFORMATION SERVICE  *
*          *
*****
```

INFORMATION RETRIEVAL PROGRAM

.....

ARE YOU FAMILIAR WITH THIS PROGRAM? (YES OR NO)

NO

*** BASIC INSTRUCTIONS ***

YOU MAY ENTER THESE AT ANY TIME WHILE IN THE RETRIEVAL PROGRAM:

- 1) T TO TERMINATE THE PROGRAM,
- 2) * TO RETURN TO THE PREVIOUS QUESTION,
- 3) @ADD I.HELP IF YOU WANT TO ACCESS SUPPORTING INFORMATION CONCERNING THE OTIS, I.E., AN INTRODUCTION TO THE OTIS, OTHER DATA SOURCES, AND SORTED LISTS OF SELECTED FIELDS. (THIS WILL STOP THE RETRIEVAL. HOWEVER ALL STEPS WILL BE EXPLAINED FOR YOU).

*** Example #1: What is the state-of-the-art in current meter design?

ENTER NUMBER TO SPECIFY THE TECHNOLOGY TYPE DESIRED (1 THROUGH 5, OR A FOR ALL TYPES, OR L TO LIST TYPES):

L

- 1 PERSONNEL EXPERTISE
- 2 HARDWARE
- 3 TECHNIQUE
- 4 MODEL
- 5 FACILITY

ENTER NUMBER TO SPECIFY THE TECHNOLOGY TYPE DESIRED (1 THROUGH 5, OR A FOR ALL TYPES, OR L TO LIST TYPES):

2

TYPE: HARDWARE

ENTER FIELD NUMBERS FOR THOSE FIELDS YOU WANT TO BE OUTPUT,
FORMAT 99;99 - UP TO 9 ENTRIES (EG., 1;5;6), OR ENTER
A TO OUTPUT ALL THE FIELDS, L TO LIST THE FIELDS, OR ?
IF YOU WANT A SIMPLE COUNT OF THOSE RECORDS TO BE ISOLATED:

L

1 TYPE 14 ACTION ADDRESS
2 RECORD NUMBER 15 GENERIC NAME
3 KEY WORD 16 DESIGNATOR
4 SUBJECT CODE 17 TITLE
5 SUBJECT NAME 18 STATUS
6 POC NAME 19 PLATFORM
7 POC ORGANIZATION 20 CONTRACT NUMBER
8 POC PHONE NUMBER 21 PROJECT NAME
9 SPONSOR ORG 22 REFERENCE - AUTHOR
10 SPONSOR SUBORG 23 REFERENCE - SOURCE
11 SPONSOR ADDRESS 24 INFORMATION DATE
12 ACTION ORG 25 COMMENTS
13 ACTION SUBORG

ENTER FIELD NUMBERS FOR THOSE FIELDS YOU WANT TO BE OUTPUT,
FORMAT 99;99 - UP TO 9 ENTRIES (EG., 1;5;6), OR ENTER
A TO OUTPUT ALL THE FIELDS, L TO LIST THE FIELDS, OR ?
IF YOU WANT A SIMPLE COUNT OF THOSE RECORDS TO BE ISOLATED:

17;6;7;8;12;13;14;25

ENTER FIELD NUMBERS BY WHICH YOU WANT TO ISOLATE RECORDS,
FORMAT 99;99 - UP TO 9 ENTRIES (EG., 1;5;6), OR L
TO LIST THE FIELDS:

L

1 FOR OUTPUT ONLY 14 FOR OUTPUT ONLY
2 RECORD NUMBER 15 GENERIC NAME
3 KEY WORD 16 DESIGNATOR
4 SUBJECT CODE 17 TITLE
5 SUBJECT NAME 18 STATUS
6 POC NAME 19 PLATFORM
7 POC ORGANIZATION 20 CONTRACT NUMBER
8 FOR OUTPUT ONLY 21 PROJECT NAME
9 SPONSOR ORG 22 REFERENCE - AUTHOR
10 SPONSOR SUBORG 23 REFERENCE - SOURCE
11 FOR OUTPUT ONLY 24 FOR OUTPUT ONLY
12 ACTION ORG 25 FOR OUTPUT ONLY
13 ACTION SUBORG

ENTER FIELD NUMBERS BY WHICH YOU WANT TO ISOLATE RECORDS,
FORMAT 99;99 - UP TO 9 ENTRIES (E.G., 1;5;6), OR L
TO LIST THE FIELDS:

15

ENTER GENERIC NAME:

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
CURRENT METER

POINT OF CONTACT: EVANS R
UNIVERSITY OF MIAMI
ACTION ORG: UNIVERSITY OF MIAMI
ACTION SUBORG: DIVISION OF METEOROLOGICAL & PHYSICAL OCEANOGRAPHY
ACTION ADDRESS: MIAMI FL USA
TITLE: DURING PROFILING CURRENT METER
COMMENTS:
A SERIES OF HIGH VERTICAL RESOLUTION PROFILING CURRENT METER
(PCM) RELATIVE PROFILES WERE OBTAINED IN THE INDIAN OCEAN
DURING MAY-JUNE 1976 ALONG WITH A SERIES OF WHITE HORSE (WH)
PROFILES.

.....
POINT OF CONTACT: DATTA B
UNIVERSITY OF HOUSTON
ACTION ORG: UNIVERSITY OF HOUSTON
ACTION SUBORG:
ACTION ADDRESS: HOUSTON TX USA
TITLE: CURRENT METER
COMMENTS:
UNDER DEVELOPMENT.

ACTION ORG: NEIL BROWN INSTRUMENT SYSTEMS INC
ACTION SUBORG:
ACTION ADDRESS: CATAUMET MA USA
TITLE: VECTOR AVERAGING ACOUSTIC CURRENT METER
COMMENTS:
PROVIDES CONTINUOUS OPERATION UP TO 1 YR AND AT DEPTHS TO 6000M.
CURRENT IS DETERMINED BY MEASUREMENT OF VELOCITY-DEPENDENT PHASE
OF AN ACOUSTIC SIGNAL. A MAGNETOMETER COMPASS (DEVELOPED BY NBIS)
PROVIDES SIGNALS PROPORTIONAL TO THE CURRENT METER HEADING
RELATIVE TO MAGNETIC NORTH. A RESOLVER COMBINES VELOCITY AND COM-
PASS INFORMATION TO PROVIDE A TRUE VECTOR AVERAGE.
SYSTEM POWERED BY ALKALINE OR LITHIUM BATTERY.

.....

ACTION ORG: NEIL BROWN INSTRUMENT SYSTEMS INC
ACTION SUBORG:
ACTION ADDRESS: CATAUMET MA USA
TITLE: DIRECT READING CURRENT METER
COMMENTS:
WORKING DEPTH TO 1000M. CURRENT IS DETERMINED BY MEASUREMENT OF
VELOCITY-DEPENDENT PHASE OF AN ACOUSTIC SIGNAL. A MAGNETOMETER
COMPASS (DEVELOPED BY NBIS) PROVIDES SIGNALS PROPORTIONAL TO
THE CURRENT METER HEADING RELATIVE TO MAGNETIC NORTH. THE DECK
UNIT INCLUDES AN INTEL 8085 MICROPROCESSOR TO COMPUTE SPEED AND
DIRECTION. METER IS POWERED BY CABLE FROM DECK UNIT.

.....

ACTION ORG: ENVIRONMENTAL DEVICES CORP
ACTION SUBORG:
ACTION ADDRESS: MARION MA USA
TITLE: CURRENT METER
COMMENTS:
USES SAVONI'S ROTOR. CASING MADE OF PVC. FLOW REVERSIBLE
IMPELLER. SYSTEM USES ENDECO PROPRIETARY TETHER DESIGNED FOR WAVE
ZONE APPLICATIONS. DIGITAL MAGNETIC TAPE RECORDING UNIT IS
ATTACHED TO THE TETHER HOLDING THE CURRENT METER. ENTIRE
SYSTEM IS BATTERY POWERED.

.....

OTIS RECORDS ISOLATED: 44

*** Example #2: What kinds of equipment are available for sensing wave heights and directions? What are their development statuses? What platforms are they associated with (ship, aircraft, underwater, etc.)?

ENTER NUMBER TO SPECIFY THE TECHNOLOGY TYPE DESIRED (1 THROUGH 5, OR A FOR ALL TYPES, OR L TO LIST TYPES):

2

TYPE: HARDWARE

ENTER FIELD NUMBERS FOR THOSE FIELDS YOU WANT TO BE OUTPUT,
FORMAT 99;99 - UP TO 9 ENTRIES (EG., 1;5;6), OR ENTER
A TO OUTPUT ALL THE FIELDS, L TO LIST THE FIELDS, OR ?
IF YOU WANT A SIMPLE COUNT OF THOSE RECORDS TO BE ISOLATED:

L

1 TYPE	14 ACTION ADDRESS
2 RECORD NUMBER	15 GENERIC NAME
3 KEY WORD	16 DESIGNATOR
4 SUBJECT CODE	17 TITLE
5 SUBJECT NAME	18 STATUS
6 POC NAME	19 PLATFORM
7 POC ORGANIZATION	20 CONTRACT NUMBER
8 POC PHONE NUMBER	21 PROJECT NAME
9 SPONSOR ORG	22 REFERENCE - AUTHOR
10 SPONSOR SUBORG	23 REFERENCE - SOURCE
11 SPONSOR ADDRESS	24 INFORMATION DATE
12 ACTION ORG	25 COMMENTS
13 ACTION SUBORG	

ENTER FIELD NUMBERS FOR THOSE FIELDS YOU WANT TO BE OUTPUT,
FORMAT 99;99 - UP TO 9 ENTRIES (EG., 1;5;6), OR ENTER
A TO OUTPUT ALL THE FIELDS, L TO LIST THE FIELDS, OR ?
IF YOU WANT A SIMPLE COUNT OF THOSE RECORDS TO BE ISOLATED:

15;17;18;1W

INVALID ENTRY FOR FIELD...1W

ENTER FIELD NUMBERS FOR THOSE FIELDS YOU WANT TO BE OUTPUT,
FORMAT 99;99 - UP TO 9 ENTRIES (EG., 1;5;6), OR ENTER
A TO OUTPUT ALL THE FIELDS, L TO LIST THE FIELDS, OR ?
IF YOU WANT A SIMPLE COUNT OF THOSE RECORDS TO BE ISOLATED:

15;17;18;99

INVALID ENTRY NUMBER 99

MUST BE FROM 1 TO 25

ENTER FIELD NUMBERS FOR THOSE FIELDS YOU WANT TO BE OUTPUT,
FORMAT 99;99 - UP TO 9 ENTRIES (EG., 1;5;6), OR ENTER
A TO OUTPUT ALL THE FIELDS, L TO LIST THE FIELDS, OR ?
IF YOU WANT A SIMPLE COUNT OF THOSE RECORDS TO BE ISOLATED:

15;17;18;19

ENTER FIELD NUMBERS BY WHICH YOU WANT TO ISOLATE RECORDS,
FORMAT 99;99 - UP TO 9 ENTRIES (i.e., 1;5;6), OR L
TO LIST THE FIELDS:

5

ENTER SUBJECT NAME (SEE USER'S GUIDE FOR TABLE):
FIRST-LEVEL SUBJECT;SECOND-LEVEL SUBJECT;THIRD-LEVEL SUBJECT
@ADD I.HELP

RETRIEVAL INITIATED

-- OCEANOGRAPHIC TECHNOLOGY INFORMATION SERVICE --

HERE ARE SOME MODULES WHICH PROVIDE SUPPORTING INFORMATION ON THE OTIS.
SIMPLY EXECUTE THOSE WHICH YOU WANT TO SEE:

1. @ADD I.INTRO	INTRODUCTION TO THE OTIS
2. @ADD I.SUBSET	OTIS AREAS OF CONCENTRATION
3. @ADD I.DTIC	DTIC SUBJECT HEADINGS WITHIN THE OTIS SCOPE
4. @ADD I.NRC	NRC TERMS WITHIN THE OTIS SCOPE
5. @ADD I.SUBJECTS	SUBJECT NAMES AND CODES COVERED IN THE OTIS
6. @ADD I.POINT-NAME	POINTS OF CONTACT, SORTED
7. @ADD I.ACTION-ORG	ACTION ORGANIZATIONS, SORTED
8. @ADD I.SPONSOR-ORG	SPONSORING ORGANIZATIONS, SORTED
9. @ADD I.KEY-WORD	KEY WORDS, SORTED
10. @ADD I.G-NAME	GENERIC NAMES, SORTED
11. @ADD I.DESIGNATOR	DESIGNATORS, SORTED

TO GET BACK INTO THE RETRIEVAL PROGRAM, ENTER: @ADD OMIS*OTIS.RETRIEVE
@ADD I.SUBJECTS

-- SUBJECTS --

THIS IS A LIST OF SUBJECTS COVERED IN THE OTIS. THIS
LIST IS A SUBSET OF THE OMIS SUBJECT LIST CONSISTING OF SUBJECTS
DIVIDED INTO THREE LEVELS THAT GO FROM GENERAL TO SPE-
CIFIC.

IN THE RETRIEVAL PROGRAM, THE USER MAY QUERY ON THE
SUBJECT EITHER BY NAME (UNDER "SUBJECT NAME") OR ITS CODE (UNDER
"SUBJECT CODE"), BUT NOT BOTH (SYSTEM DEFAULTS TO "SUBJECT CODE").
HOWEVER, THE USER MAY DISPLAY BOTH:

ACOUSTICS	1
MEASUREMENT SYSTEMS	101
RECEIVER	10101
SOURCE	10102

MODELS	102
ACTIVE SONAR	10201
NOISE	10202
.	.
.	.
OCEANOGRAPHY	3
BIOLOGY	301
PLANKTON	30101
CHEMISTRY	307
ENGINEERING	302
GEOLOGY-GEOPHYSICS	303
BATHYMETRY	30301
GEODESY	30302
GRAVITY	30303
MAGNETICS	30304
SEA FLOOR STRUCTURE	30305
SEDIMENT DYNAMICS	30306
SEISMOLOGY	30307
MODELS	304
PHYSICAL	305
AIR-SEA INTERACTION	30501
CONDUCTIVITY	30502
CURRENTS	30503
DENSITY	30504
DEPTH	30505
EDDIES	30506
INTERNAL WAVES	30507
NAVIGATION	30518
RADIATION	30508
SALINITY	30509
SAMPLING	30510
SEA ICE	30511
SEA SURFACE TEMPERATURE	30512
SOUND VELOCITY	30513
SURFACE WAVES	30514
TEMPERATURE STRUCTURE	30515
.	.

HERE ARE SOME MODULES WHICH PROVIDE SUPPORTING INFORMATION ON THE OTIS.
SIMPLY EXECUTE THOSE WHICH YOU WANT TO SEE:

1. @ADD I.INTRO	INTRODUCTION TO THE OTIS
2. @ADD I.SUBSET	OTIS AREAS OF CONCENTRATION
3. @ADD I.DTIC	DTIC SUBJECT HEADINGS WITHIN THE OTIS SCOPE
4. @ADD I.NRC	NRC TERMS WITHIN THE OTIS SCOPE
5. @ADD I.SUBJECTS	SUBJECT NAMES AND CODES COVERED IN THE OTIS
6. @ADD I.POC-NAME	POINTS OF CONTACT, SORTED
7. @ADD I.ACTION-ORG	ACTION ORGANIZATIONS, SORTED
8. @ADD I.SPONSOR-ORG	SPONSORING ORGANIZATIONS, SORTED
9. @ADD I.KEY-WORD	KEY WORDS, SORTED
10. @ADD I.G-NAME	GENERIC NAMES, SORTED
11. @ADD I.DESIGNATOR	DESIGNATORS, SORTED

TO GET BACK INTO THE RETRIEVAL PROGRAM, ENTER: @ADD OMIS*OTIS.RETRIEVE
@ADD OMIS*OTIS.RETRIEVE

READY

FACILITY WARNING 100000000000

FACILITY WARNING 100000000000

* *
* OCEANOGRAPHIC TECHNOLOGY INFORMATION SERVICE *
* *

INFORMATION RETRIEVAL PROGRAM

.....

ARE YOU FAMILIAR WITH THIS PROGRAM? (YES OR NO)

NO

*** BASIC INSTRUCTIONS ***

YOU MAY ENTER THESE AT ANY TIME WHILE IN THE RETRIEVAL PROGRAM:

- 1) T TO TERMINATE THE PROGRAM,

- 2) * TO RETURN TO THE PREVIOUS QUESTION,
- 3) ADD I.HELP IF YOU WANT TO ACCESS SUPPORTING INFORMATION CONCERNING THE OTIS, I.E., AN INTRODUCTION TO THE OTIS, OTHER DATA SOURCES, AND SORTED LISTS OF SELECTED FIELDS. (THIS WILL STOP THE RETRIEVAL. HOWEVER ALL STEPS WILL BE EXPLAINED FOR YOU).

ENTER NUMBER TO SPECIFY THE TECHNOLOGY TYPE DESIRED (1 THROUGH 5, OR A FOR ALL TYPES, OR L TO LIST TYPES):

2

TYPE: HARDWARE

ENTER FIELD NUMBERS FOR THOSE FIELDS YOU WANT TO BE OUTPUT,
FORMAT 99;99 - UP TO 9 ENTRIES (EG., 1;5;6), OR ENTER
A TO OUTPUT ALL THE FIELDS, L TO LIST THE FIELDS, OR ?
IF YOU WANT A SIMPLE COUNT OF THOSE RECORDS TO BE ISOLATE

15;17;18;19

ENTER FIELD NUMBERS BY WHICH YOU WANT TO ISOLATE RECORDS,

FORMAT 99;99 - UP TO 9 ENTRIES (EG., 1;5;6), OR L
TO LIST THE FIELDS:

5

ENTER SUBJECT NAME (SEE USER'S GUIDE FOR TABLE):

FIRST-LEVEL SUBJECT;SECOND-LEVEL SUBJECT;THIRD-LEVEL SUBJECT
OCEANOGRAPHY;PHYSICAL;SURFACE WAVES

GENERIC NAME: WAVE MEASUREMENT
TITLE: DIRECTION-INDICATING WAVE INSTRUMENT
STATUS: IN PRODUCTION
PLATFORM: PIER/OFFSHORE PLATFORM
.....
GENERIC NAME: BUOY
TITLE: WAVE-TRACK BUOY SYSTEM
STATUS: OPERATIONAL
PLATFORM: DRIFTING
.....
GENERIC NAME: BUOY
TITLE: WAVERIDER BUOY CALIBRATION
STATUS: PROTOTYPE
PLATFORM: MOORED
.....

GENERIC NAME: BUOY
TITLE: OCEAN WAVE MEASURING BUOY
STATUS: NA
PLATFORM: MOORED
.....
GENERIC NAME: BUOY
TITLE: WAVEMASTER BUOY
STATUS: NA
PLATFORM: DRIFTING
.....
GENERIC NAME: WAVE MEASUREMENT
TITLE: OCEANIC WAVE MEASUREMENT SYSTEM
STATUS: PROTOTYPE
PLATFORM: NA
.....
GENERIC NAME: BUOY
TITLE: SURF PREDICTION BUOY
STATUS: PROTOTYPE
PLATFORM: MOORED
.....

OTIS RECORDS ISOLATED: 51

*** Example #3: What are the major operational meteorological models within and outside the Navy? What are the resident organizations and who are the individuals involved?

ENTER NUMBER TO SPECIFY THE TECHNOLOGY TYPE DESIRED (1 THROUGH 5, OR A FOR ALL TYPES, OR L TO LIST TYPES):

4

TYPE: MODEL

ENTER FIELD NUMBERS FOR THOSE FIELDS YOU WANT TO BE OUTPUT,
FORMAT 99;99 - UP TO 9 ENTRIES (EG., 1;5;6), OR ENTER
A TO OUTPUT ALL THE FIELDS, L TO LIST THE FIELDS, OR ?
IF YOU WANT A SIMPLE COUNT OF THOSE RECORDS TO BE ISOLATED:

L

1 TYPE 15 GENERIC NAME
2 RECORD NUMBER 16 DESIGNATOR
3 KEY WORD 17 TITLE
4 SUBJECT CODE 18 STATUS
5 SUBJECT NAME 19 CONTRACT NUMBER
6 POC NAME 20 PROJECT NAME
7 POC ORGANIZATION 21 REFERENCE - AUTHOR
8 POC PHONE NUMBER 22 REFERENCE - SOURCE
9 SPONSOR ORG 23 INFORMATION DATE
10 SPONSOR SUBORG 24 RESIDENT COMPUTER
11 SPONSOR ADDRESS 25 HOST COMPUTER
12 RESIDENT ORG 26 REQUIRED INPUT
13 RESIDENT SUBORG 27 COMMENTS
14 RESIDENT ADDRESS

ENTER FIELD NUMBERS FOR THOSE FIELDS YOU WANT TO BE OUTPUT,
FORMAT 99;99 - UP TO 9 ENTRIES (EG., 1;5;6), OR ENTER
A TO OUTPUT ALL THE FIELDS, L TO LIST THE FIELDS, OR ?
IF YOU WANT A SIMPLE COUNT OF THOSE RECORDS TO BE ISOLATED:
5;17;12;13;14;6;7;8
ENTER FIELD NUMBERS BY WHICH YOU WANT TO ISOLATE RECORDS,
FORMAT 99;99 - UP TO 9 ENTRIES (EG., 1;5;6), OR L
TO LIST THE FIELDS:

L

1 FOR OUTPUT ONLY 15 GENERIC NAME
2 RECORD NUMBER 16 DESIGNATOR
3 KEY WORD 17 TITLE
4 SUBJECT CODE 18 STATUS
5 SUBJECT NAME 19 CONTRACT NUMBER
6 POC NAME 20 PROJECT NAME
7 POC ORGANIZATION 21 REFERENCE - AUTHOR
8 FOR OUTPUT ONLY 22 REFERENCE - SOURCE
9 SPONSOR ORG 23 FOR OUTPUT ONLY
10 SPONSOR SUBORG 24 RESIDENT COMPUTER
11 FOR OUTPUT ONLY 25 HOST COMPUTER
12 RESIDENT ORG 26 REQUIRED INPUT
13 RESIDENT SUBORG 27 FOR OUTPUT ONLY
14 FOR OUTPUT ONLY

ENTER FIELD NUMBERS BY WHICH YOU WANT TO ISOLATE RECORDS,
FORMAT 99;99 - UP TO 9 ENTRIES (EG., 1;5;6), OR L
TO LIST THE FIELDS:

15;17

ENTER GENERIC NAME:

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

@ADD I.HELP

RETRIEVAL TERMINATED

-- OCEANOGRAPHIC TECHNOLOGY INFORMATION SERVICE --

HERE ARE SOME MODULES WHICH PROVIDE SUPPORTING INFORMATION ON THE OTIS.
SIMPLY EXECUTE THOSE WHICH YOU WANT TO SEE:

1. @ADD I.INTRO	INTRODUCTION TO THE OTIS
2. @ADD I.SUBSET	OTIS AREAS OF CONCENTRATION
3. @ADD I.DTIC	DTIC SUBJECT HEADINGS WITHIN THE OTIS SCOPE
4. @ADD I.NRC	NRC TERMS WITHIN THE OTIS SCOPE
5. @ADD I.SUBJECTS	SUBJECT NAMES AND CODES COVERED IN THE OTIS
6. @ADD I.POCT-NAME	POINTS OF CONTACT, SORTED
7. @ADD I.ACTION-ORG	ACTION ORGANIZATIONS, SORTED
8. @ADD I.SPONSOR-ORG	SPONSORING ORGANIZATIONS, SORTED
9. @ADD I.KEY-WORD	KEY WORDS, SORTED
10. @ADD I.G-NAME	GENERIC NAMES, SORTED
11. @ADD I.DESIGNATOR	DESIGNATORS, SORTED

TO GET BACK INTO THE RETRIEVAL PROGRAM, ENTER: @ADD OMIS*OTIS.RETRIEVE
@ADD I.G-NAME

ACOUSTIC HARDWARE
ACOUSTIC IMAGING
ACOUSTIC METHOD
ACOUSTIC MODEL
ACOUSTIC NAVIGATION SYSTEM
ACOUSTIC TELEMETRY
ADAMS METHODS
ADVANCED VERY HIGH RESOLUTION RADIOMETER
AIRBORNE SURVEY
ANEMOMETER
ARRAY
ASSURANCE TECHNOLOGY
BAROMETER
BATHYMETRIC SURVEY
BATHYTERMOMOGRAPH
BATTERY

LIDAR
MAGNETOMETER
MARINE CRUSTAL GEOPHYSICS
METEOROLOGICAL EQUIPMENT
METEOROLOGICAL MODEL
METEOROLOGICAL PROCESSES
METEOROLOGICAL TECHNIQUE
MICROPROFILER

MOORING
NAVIGATION SOFTWARE

-- OCEANOGRAPHIC TECHNOLOGY INFORMATION SERVICE --

HERE ARE SOME MODULES WHICH PROVIDE SUPPORTING INFORMATION ON THE OTIS.
SIMPLY EXECUTE THOSE WHICH YOU WANT TO SEE:

1. @ADD I.INTRO	INTRODUCTION TO THE OTIS
2. @ADD I.SUBSET	OTIS AREAS OF CONCENTRATION
3. @ADD I.DTIC	DTIC SUBJECT HEADINGS WITHIN THE OTIS SCOPE
4. @ADD I.NRC	NRC TERMS WITHIN THE OTIS SCOPE
5. @ADD I.SUBJECTS	SUBJECT NAMES AND CODES COVERED IN THE OTIS
6. @ADD I.POCT-NAME	POINTS OF CONTACT, SORTED
7. @ADD I.ACTION-ORG	ACTION ORGANIZATIONS, SORTED
8. @ADD I.SPONSOR-ORG	SPONSORING ORGANIZATIONS, SORTED
9. @ADD I.KEY-WORD	KEY WORDS, SORTED
10. @ADD I.G-NAME	GENERIC NAMES, SORTED
11. @ADD I.DESIGNATOR	DESIGNATORS, SORTED

TO GET BACK INTO THE RETRIEVAL PROGRAM, ENTER: @ADD OMIS*OTIS.RETRIEVE
@ADD OMIS*OTIS.RETRIEVE
READY
FACILITY WARNING 100000000000
FACILITY WARNING 100000000000

* *
* OCEANOGRAPHIC TECHNOLOGY INFORMATION SERVICE * *
* *

INFORMATION RETRIEVAL PROGRAM

.....

ARE YOU FAMILIAR WITH THIS PROGRAM? (YES OR NO)

YES

ENTER TYPE (1 THROUGH 5, OR A, OR L):

4

TYPE: MODEL

ENTER FIELDS TO OUTPUT (OR A, L, OR ?):

5;17;12;13;14;6;7;8

ENTER FIELDS BY WHICH TO ISOLATE (OR L):

L

1 FOR OUTPUT ONLY 15 GENERIC NAME
2 RECORD NUMBER 16 DESIGNATOR
3 KEY WORD 17 TITLE
4 SUBJECT CODE 18 STATUS
5 SUBJECT NAME 19 CONTRACT NUMBER
6 POC NAME 20 PROJECT NAME
7 POC ORGANIZATION 21 REFERENCE - AUTHOR
8 FOR OUTPUT ONLY 22 REFERENCE - SOURCE
9 SPONSOR ORG 23 FOR OUTPUT ONLY
10 SPONSOR SUBORG 24 RESIDENT COMPUTER
11 FOR OUTPUT ONLY 25 HOST COMPUTER
12 RESIDENT ORG 26 REQUIRED INPUT
13 RESIDENT SUBORG 27 FOR OUTPUT ONLY
14 FOR OUTPUT ONLY

ENTER FIELDS BY WHICH TO ISOLATE (OR L):

1;15

01 IS THE VALUE OF A 'FOR OUTPUT ONLY' FIELD - IGNORED
YOU MAY EITHER REENTER ANOTHER FIELD NUMBER
OR PRESS TRANSMIT TO DISREGARD 01 AND CONTINUE

18

ENTER STATUS:

XXXXXXXXXXXXXXXXXXXX

OPERATIONAL

ENTER GENERIC NAME:

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

METEOROLOGICAL MODEL

SUBJECT: NAME
 METEOROLOGY
 MODELS
 PREDICTION
POINT OF CONTACT: LOWE P
 NAVENVPREDRSCHFAC
RESIDENT ORG: NAVENVPREDRSCHFAC
RESIDENT SUBORG:
RESIDENT ADDRESS: MONTEREY CA USA
TITLE: GENESIS
.....
SUBJECT: NAME
 METEOROLOGY
 MODELS
 PREDICTION
POINT OF CONTACT: HOVERMALE J
 NATIONAL METEOROLOGICAL CENTER
POINT OF CONTACT: OVERLAND J
 PACIFIC MARINE ENVIRONMENTAL LABORATORY
RESIDENT ORG: NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION
RESIDENT SUBORG: NATIONAL METEOROLOGICAL CENTER
RESIDENT ADDRESS: WASHINGTON DC USA
TITLE: MOVABLE FINE MESH MODEL
.....
SUBJECT: NAME
 METEOROLOGY
 MODELS
 PREDICTION
RESIDENT ORG: FLENUMOCEANCEN
RESIDENT SUBORG:
RESIDENT ADDRESS: MONTEREY CA USA
TITLE: FIVE-LAYER PRIMITIVE EQUATION MODEL
.....
SUBJECT: NAME
 METEOROLOGY
 MODELS
POINT OF CONTACT: OVERLAND J
 PACIFIC MARINE ENVIRONMENTAL LABORATORY
RESIDENT ORG: NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION
RESIDENT SUBORG: NATIONAL METEOROLOGICAL CENTER
RESIDENT ADDRESS: WASHINGTON DC USA
TITLE: BAROTROPIC-MESH MODEL
.....

SUBJECT: NAME
METEOROLOGY
MODELS
POINT OF CONTACT: OVERLAND J
PACIFIC MARINE ENVIRONMENTAL LABORATORY
RESIDENT ORG: NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION
RESIDENT SUBORG: NATIONAL METEOROLOGICAL CENTER
RESIDENT ADDRESS: WASHINGTON DC USA
TITLE: LIMITED-AREA FINE-MESH MODEL
.....
.....
.....

OTIS RECORDS ISOLATED: 10

*** Example #4: What techniques are available for forecasting sea ice conditions?

ENTER TYPE (1 THROUGH 5, OR A, OR L):

L
1 PERSONNEL EXPERTISE
2 HARDWARE
3 TECHNIQUE
4 MODEL
5 FACILITY

ENTER TYPE (1 THROUGH 5, OR A, OR L):

3
TYPE: TECHNIQUE

ENTER FIELDS TO OUTPUT (OR A, L, OR ?):

A

ENTER FIELDS BY WHICH TO ISOLATE (OR L):

L

1 FOR OUTPUT ONLY 14 FOR OUTPUT ONLY
2 RECORD NUMBER 15 GENERIC NAME
3 KEY WORD 16 DESIGNATOR
4 SUBJECT CODE 17 TITLE
5 SUBJECT NAME 18 STATUS
6 POC NAME 19 PLATFORM
7 POC ORGANIZATION 20 CONTRACT NUMBER
8 FOR OUTPUT ONLY 21 PROJECT NAME
9 SPONSOR ORG 22 REFERENCE - AUTHOR
10 SPONSOR SUBORG 23 REFERENCE - SOURCE
11 FOR OUTPUT ONLY 24 FOR OUTPUT ONLY
12 ACTION ORG 25 FOR OUTPUT ONLY
13 ACTION SUBORG

ENTER FIELDS BY WHICH TO ISOLATE (OR L):

4

ENTER SUBJECT CODE:

99999

@ADD I.HELP

RETRIEVAL TERMINATED

-- OCEANOGRAPHIC TECHNOLOGY INFORMATION SERVICE --

HERE ARE SOME MODULES WHICH PROVIDE SUPPORTING INFORMATION ON THE OTIS.
SIMPLY EXECUTE THOSE WHICH YOU WANT TO SEE:

1. @ADD I.INTRO	INTRODUCTION TO THE OTIS
2. @ADD I.SUBSET	OTIS AREAS OF CONCENTRATION
3. @ADD I.DTIC	DTIC SUBJECT HEADINGS WITHIN THE OTIS SCOPE
4. @ADD I.NRC	NRC TERMS WITHIN THE OTIS SCOPE
5. @ADD I.SUBJECTS	SUBJECT NAMES AND CODES COVERED IN THE OTIS
6. @ADD I.POC-NAME	POINTS OF CONTACT, SORTED
7. @ADD I.ACTION-ORG	ACTION ORGANIZATIONS, SORTED
8. @ADD I.SPONSOR-ORG	SPONSORING ORGANIZATIONS, SORTED
9. @ADD I.KEY-WORD	KEY WORDS, SORTED
10. @ADD I.G-NAME	GENERIC NAMES, SORTED
11. @ADD I.DESIGNATOR	DESIGNATORS, SORTED

TO GET BACK INTO THE RETRIEVAL PROGRAM, ENTER: @ADD OMIS*OTIS.RETRIEVE
@ADD I.SUBJECTS

-- SUBJECTS --

THIS IS A LIST OF SUBJECTS COVERED IN THE OTIS. THIS
LIST IS A SUBSET OF THE OMIS SUBJECT LIST CONSISTING OF SUBJECTS

DIVIDED INTO THREE LEVELS THAT GO FROM GENERAL TO SPECIFIC.

IN THE RETRIEVAL PROGRAM, THE USER MAY QUERY ON THE SUBJECT EITHER BY NAME (UNDER "SUBJECT NAME") OR ITS CODE (UNDER "SUBJECT CODE"), BUT NOT BOTH (SYSTEM DEFAULTS TO "SUBJECT CODE"). HOWEVER, THE USER MAY DISPLAY BOTH:

ACOUSTICS	1
MEASUREMENT SYSTEMS	101
RECEIVER	10101
SOURCE	10102

•
•
•

SALINITY	30509
SAMPLING	30510
SEA ICE	30511
SEA SURFACE TEMPERATURE	30512
SOUND VELOCITY	30513
SURFACE WAVES	30514

•
•
•
•

-- OCEANOGRAPHIC TECHNOLOGY INFORMATION SERVICE --

HERE ARE SOME MODULES WHICH PROVIDE SUPPORTING INFORMATION ON THE OTIS. SIMPLY EXECUTE THOSE WHICH YOU WANT TO SEE:

1. @ADD I.INTRO	INTRODUCTION TO THE OTIS
2. @ADD I.SUBSET	OTIS AREAS OF CONCENTRATION
3. @ADD I.DTIC	DTIC SUBJECT HEADINGS WITHIN THE OTIS SCOPE
4. @ADD I.NRC	NRC TERMS WITHIN THE OTIS SCOPE
5. @ADD I.SUBJECTS	SUBJECT NAMES AND CODES COVERED IN THE OTIS
6. @ADD I.POCT-NAME	POINTS OF CONTACT, SORTED
7. @ADD I.ACTION-ORG	ACTION ORGANIZATIONS, SORTED
8. @ADD I.SPONSOR-ORG	SPONSORING ORGANIZATIONS, SORTED
9. @ADD I.KEY-WORD	KEY WORDS, SORTED
10. @ADD I.G-NAME	GENERIC NAMES, SORTED
11. @ADD I.DESIGNATOR	DESIGNATORS, SORTED

TO GET BACK INTO THE RETRIEVAL PROGRAM, ENTER: @ADD OMIS*OTIS.RETRIEVE
@ADD OMIS*OTIS.RETRIEVE
READY
FACILITY WARNING 100000000000

FACILITY WARNING 100000000000

*
* OCEANOGRAPHIC TECHNOLOGY INFORMATION SERVICE *
*

INFORMATION RETRIEVAL PROGRAM

.....

ARE YOU FAMILIAR WITH THIS PROGRAM? (YES OR NO)

Y

ENTER TYPE (1 THROUGH 5, OR A, OR L):

3

TYPE: TECHNIQUE

ENTER FIELDS TO OUTPUT (OR A, L, OR ?):

A

ENTER FIELDS BY WHICH TO ISOLATE (OR L):

4

ENTER SUBJECT CODE:

99999

30511

TYPE: TECHNIQUE
RECORD NUMBER: 00276
KEY WORD: ALASKAN NORTH SLOPE
SUBJECT: CODE NAME
3 OCEANOGRAPHY
305 PHYSICAL
30511 SEA ICE
POINT OF CONTACT: BARNETT D
NAVPOLAROCEANCEN
SPONSOR ORG:
SPONSOR SUBORG:
SPONSOR ADDRESS:
ACTION ORG: NAVPOLAROCEANCEN
ACTION SUBORG:
ACTION ADDRESS: SUITLAND MD USA
GENERIC NAME: SEA ICE FORECASTING
DESIGNATOR:
TITLE: LONG RANGE ICE FORECASTING
STATUS: OPERATIONAL
PLATFORM: SHORE INSTALLATION
CONTRACT NUMBER:
PROJECT NAME:
REFERENCE: AUTHOR NOT GIVEN
NAVPOLAROCEANCEN TR-1

INFORMATION DATE:

COMMENTS:

EFFORT UNDERWAY SINCE 1976 TO EXTEND ICE FORECASTS BEYOND
STANDARD 30 DAY PERIOD FOR AREA ALONG ALASKAN NORTH
SLOPE.

.....
TYPE: TECHNIQUE
RECORD NUMBER: 00338
KEY WORD: ICE FLOE STUDY
SUBJECT: CODE NAME
3 OCEANOGRAPHY
305 PHYSICAL
30511 SEA ICE
POINT OF CONTACT: LAMB H
UNIVERSITY OF EAST ANGLIA
POINT OF CONTACT: KELLY P
ONR
SPONSOR ORG: ONR
SPONSOR SUBORG: CODE 461
SPONSOR ADDRESS: ARLINGTON VA USA
ACTION ORG: UNIVERSITY OF EAST ANGLIA
ACTION SUBORG: CLIMATIC RESEARCH UNIT
ACTION ADDRESS: NORWICH UK
GENERIC NAME: SEA ICE FORECASTING
DESIGNATOR:
TITLE: SEA ICE FORECASTING
STATUS: R & D
PLATFORM: SHORE INSTALLATION

CONTRACT NUMBER: N00014-77-G-0074
PROJECT NAME:
REFERENCE: AUTHOR NOT GIVEN
AD-A074-70
INFORMATION DATE: 790100
COMMENTS:
AN 80-YEAR SET OF SEA ICE DATA HAS BEEN COLLECTED AND
DIGITIZED. PRINCIPAL COMPONENT ANALYSIS HAS BEEN USED TO
IDENTIFY "TYPICAL" MEAN SEA LEVEL PRESSURE ANOMALY PATTERNS
AND THEIR TEMPORAL VARIATIONS, AND THESE HAVE BEEN CORRELATED
WITH LONG SERIES OF SEA ICE INDICES FOR VARIOUS REGIONS.
TIME SERIES ANALYSIS OF THESE SEA ICE AND MSL PRESSURE
DATA HAS REVEALED CHARACTERISTIC TIME SCALES OF VARIATION,
AS WELL AS SIGNIFICANT LONG TERM TRENDS. ALSO STUDIES HAVE
BEEN MADE OF VARIOUS MECHANISMS WHICH MAY HAVE BEEN RESPON-
SIBLE FOR THE FLUCTUATIONS IN THE ATMOSPHERIC CIRCULATION
AND SEA ICE.

.....

TYPE: TECHNIQUE
RECORD NUMBER: 00416
KEY WORD: SIDE LOOKING RADAR
SYNTHETIC APERTURE RADAR
SUBJECT:
CODE NAME
3 OCEANOGRAPHY
305 PHYSICAL
30511 SEA ICE
4 REMOTE SENSING
405 ICE COVERAGE
408 PLATFORM
40801 AIRCRAFT

POINT OF CONTACT: KETCHUM R
NORDA

SPONSOR ORG:
SPONSOR SUBORG:
SPONSOR ADDRESS:
ACTION ORG: NORDA
ACTION SUBORG:
ACTION ADDRESS: BAY ST LOUIS MS USA
GENERIC NAME: SIDE LOOKING RADAR
DESIGNATOR:
TITLE: SIDE LOOKING RADAR IMAGERY
STATUS: NA
PLATFORM: SHORE INSTALLATION
CONTRACT NUMBER:
PROJECT NAME:
REFERENCE: AUTHOR NOT GIVEN
NORDA-TN-7
INFORMATION DATE: 770400
COMMENTS:
EVALUATION OF SYNTHETIC APERTURE RADAR SEA ICE IMAGERY.

.....

TYPE: TECHNIQUE
 RECORD NUMBER: 00425
 KEY WORD: AIDJEX MODEL
 HIBLER MODEL
 SUBJECT: CODE NAME
 3 OCEANOGRAPHY
 304 MODELS
 305 PHYSICAL
 30511 SEA ICE
 POINT OF CONTACT: VAN SICKLE K
 AIR 370
 PHONE: ACD 202 COM 692-7416
 POINT OF CONTACT: LI H
 CODE 332
 PHONE: ATV 485 FTS 494 ACD 601 COM 688-4810
 POINT OF CONTACT: WELSH J
 CODE 332
 PHONE: ATV 485 FTS 494 ACD 601 COM 688-4810
 SPONSOR ORG: NAVAIRSYSCOM
 SPONSOR SUBORG: AIR 370
 SPONSOR ADDRESS: ARLINGTON VA USA
 ACTION ORG: NORDA
 ACTION SUBORG: CODE 332
 ACTION ADDRESS: BAY ST LOUIS MS USA
 GENERIC NAME: SEA ICE FORECASTING
 DESIGNATOR:
 TITLE: SEA ICE FORECASTING
 STATUS: R & D
 PLATFORM: SHORE INSTALLATION
 CONTRACT NUMBER:
 PROJECT NAME:
 REFERENCE:
 INFORMATION DATE: 790801
 COMMENTS:
 TECHNICAL OBJECTIVE: EXAMINE AND EVALUATE DYNAMIC MODELS FOR
 SEA ICE FORECASTING. SPECIFIC MODELS TO BE EVALUATED WILL INCLUDE
 THE AIDJEX AND HIBLER MODELS.

 TYPE: TECHNIQUE
 RECORD NUMBER: 00458
 KEY WORD: ICE FLOE STUDY
 SUBJECT: CODE NAME
 3 OCEANOGRAPHY
 305 PHYSICAL
 30511 SEA ICE
 POINT OF CONTACT: KOVACS A
 COLD REGIONS RESEARCH & ENGINEERING LABORATORY
 SPONSOR ORG:
 SPONSOR SUBORG:
 SPONSOR ADDRESS:
 ACTION ORG: COLD REGIONS RESEARCH & ENGINEERING LABORATORY
 ACTION SUBORG:
 ACTION ADDRESS: HANOVER NH USA

DESIGNATOR:
TITLE: ICEBERGS
STATUS: NA
PLATFORM: NA
CONTRACT NUMBER:
PROJECT NAME:
REFERENCE: AUTHOR NOT GIVEN
AD-A078-692/1
INFORMATION DATE: 790700
COMMENTS:
CLASSIFICATION OF ICEBERGS, ICEBERG-PRODUCING AREAS.
.....
.
.
.
.....

OTIS RECORDS ISOLATED: 13

*** Example #5: What are currently achieved depth capabilities of fine-structure airborne expendable bathythermographs?

ENTER TYPE (1 THROUGH 5, OR A, OR L):

2

TYPE: HARDWARE

ENTER FIELDS TO OUTPUT (OR A, L, OR ?):

L

1 TYPE 14 ACTION ADDRESS
2 RECORD NUMBER 15 GENERIC NAME
3 KEY WORD 16 DESIGNATOR
4 SUBJECT CODE 17 TITLE
5 SUBJECT NAME 18 STATUS
6 POC NAME 19 PLATFORM
7 POC ORGANIZATION 20 CONTRACT NUMBER
8 POC PHONE NUMBER 21 PROJECT NAME
9 SPONSOR ORG 22 REFERENCE - AUTHOR
10 SPONSOR SUBORG 23 REFERENCE - SOURCE
11 SPONSOR ADDRESS 24 INFORMATION DATE
12 ACTION ORG 25 COMMENTS
13 ACTION SUBORG

ENTER FIELDS TO OUTPUT (OR A, L, OR ?):

17;16;24

ENTER FIELDS BY WHICH TO ISOLATE (OR L):

*

ENTER FIELDS TO OUTPUT (OR A, L, OR ?):

17;16;25

ENTER FIELDS BY WHICH TO ISOLATE (OR L):

L

1 FOR OUTPUT ONLY 14 FOR OUTPUT ONLY
2 RECORD NUMBFR 15 GENERIC NAME
3 KEY WORD 16 DESIGNATOR
4 SUBJECT CODE 17 TITLE
5 SUBJECT NAME 18 STATUS
6 POC NAME 19 PLATFORM
7 POC ORGANIZATION 20 CONTRACT NUMBER
8 FOR OUTPUT ONLY 21 PROJECT NAME
9 SPONSOR ORG 22 REFERENCE - AUTHOR
10 SPONSOR SUBORG 23 REFERENCE - SOURCE
11 FOR OUTPUT ONLY 24 FOR OUTPUT ONLY
12 ACTION ORG 25 FOR OUTPUT ONLY
13 ACTION SUBORG

ENTER FIELDS BY WHICH TO ISOLATE (OR L):

3;15

ENTER KEY WORD:

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FINE STRUCTURE

ENTER GENERIC NAME:

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

BATHYTHERMOGRAPH

DESIGNATOR:

TITLE: EXPENDABLE BATHY THERMOGRAPH

COMMENTS:

CONTRACT AWARDED FOR COMPLETION AND TEST OF A PRODUCTION DESIGN OF A FINE STRUCTURE DEEP DEPTH (2500 FT) AIR EXPENDABLE PROBE.

.....
DESIGNATOR: T-11

TITLE: EXPENDABLE BATHY THERMOGRAPH

COMMENTS:

FINE STRUCTURE XBT. THERMISTOR HAS TIME CONSTANT OF 100 MSEC. SLOWER SINK RATE ALLOWS THERMISTOR TO RESPOND TO TEMPERATURE CHANGE IN A LAYER 18CM VERSUS 65CM WHEN MOUNTED IN STANDARD XBT PROBES. DEPTH TO 460M. MAX SHIP SPEED 6K. DEPTH ACCURACY WITHIN 2% OR 5 M--WHICHEVER IS GREATER.

OTIS RECORDS ISOLATED: 2

*** Example #: What documents have been published on the Coastal Ocean Dynamics Applications Radar (CODAR)? Who at NOAA might have expert knowledge of this system?

ENTER TYPE (1 THROUGH 5, OR A, OR L):

2

TYPE: HARDWARE

ENTER FIELDS TO OUTPUT (OR A, L, OR ?):

L

1 TYPE	14 ACTION ADDRESS
2 RECORD NUMBER	15 GENERIC NAME
3 KEY WORD	16 DESIGNATOR
4 SUBJECT CODE	17 TITLE
5 SUBJECT NAME	18 STATUS
6 POC NAME	19 PLATFORM
7 POC ORGANIZATION	20 CONTRACT NUMBER
8 POC PHONE NUMBER	21 PROJECT NAME
9 SPONSOR ORG	22 REFERENCE - AUTHOR
10 SPONSOR SUBORG	23 REFERENCE - SOURCE
11 SPONSOR ADDRESS	24 INFORMATION DATE
12 ACTION ORG	25 COMMENTS
13 ACTION SUBORG	

ENTER FIELDS TO OUTPUT (OR A, L, OR ?):

17;22;23;6;7;8

ENTER FIELDS BY WHICH TO ISOLATE (OR L):

16

ENTER DESIGNATOR:

XXXXXXXXXXXXXXXXXXXX

CODAR

POINT OF CONTACT: WOODWARD W
OFFICE OF OCEAN ENGINEERING
PHONE: ACD 302 COM 443-8444

POINT OF CONTACT: EVANS M
WAVE PROPAGATION LABORATORY

POINT OF CONTACT: GEORGES T
WAVE PROPAGATION LABORATORY

TITLE: COASTAL OCEAN DYNAMICS APPLICATION RADAR

REFERENCE: AUTHOR NOT GIVEN

REFRFRENCE: SEA TECHNOLOGY FEB 81

REFRFRENCE: AUTHOR NOT GIVEN

ASFA2 MAY 79

REFERENCE: AUTHOR NOT GIVEN
SEA TECHNOLOGY FEB 80

.....

OTIS RECORDS ISOLATED: 1

*** Example #7: What equipment does Scripps Marine
Physical Laboratory maintain at San Vicente Lake
near San Diego?

ENTER TYPE (1 THROUGH 5, OR A, OR L):

5

TYPE: FACILITY

ENTER FIELDS TO OUTPUT (OR A, L, OR ?):

A

ENTER FIELDS BY WHICH TO ISOLATE (OR L):

12

ENTER SUPERVISOR ORG:
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
SCRIPPS INSTITUTION OF OCEANOGRAPHY

TYPE: FACILITY
RECORD NUMBER: 01073
KEY WORD: TESTING & CALIBRATION
SUBJECT: CODE NAME
1 ACOUSTICS
101 MEASUREMENT SYSTEMS
POINT OF CONTACT: SPIESS F
FACILITY: MPL TEST FACILITY
FACILITY ADDRESS: MPL TEST FACILITY
NUMBER OF PERSONNEL: SAN DIEGO CA USA
SUPERVISOR ORG: SCRIPPS INSTITUTION OF OCEANOGRAPHY
REFERENCE:
INFORMATION DATE:
SUBFACILITY:
EQUIPMNT:
COMMENTS:
CONSISTS OF 24X50FT COVERED TEST AND CALIBRATION BARGE AT SAN
VICENTE LAKE. FACILITY MOORED IN 100FT MINIMUM DEPTH OF WATER
WITH ABOUT 4500FT OF UNOBSTRUCTED RANGE. BARGE SUPPLIED WITH
440V, 3 PHASE AC AND 110-220V UNREGULATED AND 110V REGULATED 1 PHASE
AC POWER. TEST CAPABILITIES INCLUDE: SOURCE AND RECEIVER RESPONSE,
DIRECTIVITY PATTERN PLOTS, NULL-BALANCE MEASUREMENTS
AND IMPEDANCE MEASUREMENTS. WORK LIMITED TO THAT CONDUCTED UNDER
U.S. GOVERNENT OR UNIVERSITY SPONSORSHIP AND IS COORDINATED
BY THE MARINE PHYSICAL LABORATORY. COSTS OF THE FACILITY ARE SHARED
BY THE USERS ON A PRO RATA BASIS, AVERAGING LESS THAN \$200/DAY.

OTIS RECORDS ISOLATED: 1

*** Example #8: How many models associated with acoustics
currently are identified as in the R&D stage?

ENTER TYPE (1 THROUGH 5, OR A, OR L):
4
TYPE: MODEL

ENTER FIELDS TO OUTPUT (OR A, L, OR ?):

?

ENTER FIELDS BY WHICH TO ISOLATE (OR L):

L

1 FOR OUTPUT ONLY	15 GENERIC NAME
2 RECORD NUMBER	16 DESIGNATOR
3 KEY WORD	17 TITLE
4 SUBJECT CODE	18 STATUS
5 SUBJECT NAME	19 CONTRACT NUMBER
6 POC NAME	20 PROJECT NAME
7 POC ORGANIZATION	21 REFERENCE - AUTHOR
8 FOR OUTPUT ONLY	22 REFERENCE - SOURCE
9 SPONSOR ORG	23 FOR OUTPUT ONLY
10 SPONSOR SUBORG	24 RESIDENT COMPUTER
11 FOR OUTPUT ONLY	25 HOST COMPUTER
12 RESIDENT ORG	26 REQUIRED INPUT
13 RESIDENT SUBORG	27 FOR OUTPUT ONLY
14 FOR OUTPUT ONLY	

ENTER FIELDS BY WHICH TO ISOLATE (OR L):

5;18

ENTER SUBJECT NAME (SEE USER'S GUIDE FOR TABLE):

FIRST-LEVEL SUBJECT;SECOND-LEVEL SUBJECT;THIRD-LEVEL SUBJECT

ACOUSTICS

ENTER STATUS:

XXXXXXXXXXXXXXXXXXXXXX

R & D

OTIS RECORDS ISOLATED: 6

ENTER TYPE (1 THROUGH 5, OR A, OR L):

T

RETRIEVAL TERMINATED

DISTRIBUTION LIST

COMNAVOCEANCOM (Codes 00,N1,N2,N3,N4,N5,N53,N554)	1 ea	8
NORDA (Codes 115,300,320,330,350,500, TT Coord)	1 ea	7
CNO (Op-095, -952)	1 ea	2
FLENUMOCEANCEN-MONTEREY		1
NRL (Code 5820)		1
NAVFACENGCOM (Code E-411)		1
NAVOCEANSYSCEN		1
NAVCOASTSYSCEN		1
NAVPGSCOL-GTRL		2
NAVENVPREDRSCHFAC		1
NUSCDET-NEW LONDON		1
NAVSWC-DAHLGREN (Code E-411)		1
COMPACMISTESTCEN		1
COMNAVAIRSYSCOM		1
COMNAVSEASYSCOM		1
NAVOCEANCOMFAC-SAN DIEGO		1
NAVOCEANCOMFAC-JACKSONVILLE		1
NAVOCEANCOMFAC-YOKOSUKA		1
NAVEASTOCEANCEN-NORFOLK		1
NAVWESTOCEANCEN-PEARL HARBOR		1
NAVPOLOCEANCEN-SUITLAND		1
NAVOCEANCOMCEN-GUAM		1
NAVOCEANCOMCEN-ROTA		1
OT&ES		2
CERC		1
SACLANT-ASWRC		2
FOIC		1
DTIC		12
WHOI		1
UT/ARL		1
NOAA/DBO		1